

APRIL/MAY 2024

BECS63B — MOBILE COMPUTING

Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. Define - 'Cell'.
2. Expand SDMA, TDMA.
3. Write the advantages of GPRS.
4. Why 'HIPERLAN's are used in a communication network?
5. Expand DHCP, TCP.
6. Define - 'Routing'.
7. List the Mobile location based services.
8. Give an example for WML script.
9. Name any two Hoarding techniques.
10. What is meant by 'Query processing'?

SECTION B — ($5 \times 5 = 25$ marks)

Answer ALL questions.

11. (a) Discuss on FDMA and its advantages.
Or
(b) Explain the types of Handoff.
12. (a) Write short notes on Satellite Networks.
Or
(b) What is meant by Mobile IP? Explain in detail.
13. (a) Differentiate between Traditional TCP and Mobile TCP.
Or
(b) Discuss about DHCP protocol.
14. (a) Explain the wireless bearers of WAP.
Or
(b) Give a note on WAP Gateway.
15. (a) Discuss about Client server computing with adaptation.
Or
(b) List out and explain any two database issues.

SECTION C — ($3 \times 10 = 30$ marks)

Answer any THREE questions.

16. Elaborate on Frequency Management and Channel assignment.
17. Discuss about IEEE 802.11 Architecture and services.
18. Explain DSDV and DSR in Routing.
19. How to create a WAP user agent profile? Explain in detail.
20. Write a detailed note on power-aware and context-aware computing.
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